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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/588,856	08/09/2006 Kari Laitinen		060258-0356508	2019	
Barnes & Thorr	7590 11/14/200 nburg LLP	EXAMINER			
Suite 900	•	PATEL, VISHAL A			
750 17th Street, Washington, DO		ART UNIT	PAPER NUMBER		
			3676		
			MAIL DATE	DELIVERY MODE	
			11/14/2008	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Application	on No.	Applicant(s)				
		10/588,85	56	LAITINEN, KARI				
	Office Action Summary	Examiner		Art Unit				
		Vishal Pat	el	3676				
Period fo	The MAILING DATE of this communicat or Reply	tion appears on the	e cover sheet with the c	correspondence ac	idress			
WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR CHEVER IS LONGER, FROM THE MAIL asions of time may be available under the provisions of 37 SIX (6) MONTHS from the mailing date of this communic of period for reply is specified above, the maximum statutor to reply within the set or extended period for reply will, reply received by the Office later than three months after the patent term adjustment. See 37 CFR 1.704(b).	ING DATE OF TH 7 CFR 1.136(a). In no evation. ry period will apply and w by statute, cause the app	HIS COMMUNICATION ent, however, may a reply be tin Il expire SIX (6) MONTHS from lication to become ABANDONE	N. nely filed the mailing date of this of D (35 U.S.C. § 133).	•			
Status								
1)	Responsive to communication(s) filed o	in 05 Sentember 2	2008					
-	Responsive to communication(s) filed on <u>05 September 2008</u> . This action is FINAL . 2b) This action is non-final.							
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is							
٠,١	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Disposit	on of Claims							
4)⊠	Claim(s) <u>1-9</u> is/are pending in the applic	cation.						
/ _	4a) Of the above claim(s) is/are withdrawn from consideration.							
5)□	i) Claim(s) is/are allowed.							
·	6)⊠ Claim(s) <u>——</u> is/are allowed.							
	Claim(s) is/are objected to.							
•	Claim(s) are subject to restriction	n and/or election r	equirement.					
	ion Papers							
· · ·	• The specification is objected to by the E	vaminer						
-	The drawing(s) filed on is/are: a)		☐ objected to by the I	Examiner				
10/								
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
·	under 35 U.S.C. § 119							
	Acknowledgment is made of a claim for	foreign priority up	der 35 II S.C. & 110/a	\-(d) or (f)				
	☐ All b)☐ Some * c)☐ None of:	ioreign priority un	del 33 0.3.0. § 119(a))-(u) or (r).				
a)	1.☐ Certified copies of the priority doc	suments have bee	n received					
	2. Certified copies of the priority doc			on No				
	3. Copies of the certified copies of the				Stago			
	_ '	•		su iii tiiis Nationai	Stage			
application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.								
	see the attached detailed Office action to	or a list of the certi	ned copies not receive					
Attachmen			ο Π In	(DTO 410)				
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date								
3) Information Disclosure Statement(s) (PTO/SB/08) 5) Notice of Informal Patent Application								
Paper No(s)/Mail Date 6) Other:								

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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claims 1-9 are rejected under 35 U.S.C. 102(b) as being anticipated by Yamasaki et al (US. 6,357,753).

Yamasaki discloses an arrangement in a mechanical shaft seal comprising a first sliding surface part (e.g. 35) rotating with a shaft (e.g. 2) in relation to a frame (e.g. 1), at least a second sliding surface part (e.g. 22) fastened to the frame or a separate frame part (e.g. 13) that is non-rotatable in relation thereto, the first sliding surface part and the second sliding surface part are provided with sliding surfaces pressed against one another, a first additional part (e.g. 40) arranged to connect the first sliding surface part to at least one of the shaft and a first insertion part (e.g. 39) fastened to the shaft and is configured to rotating therewith in order to transfer the rotating motion from the shaft to the first sliding surface part (intended use, the first insertion part is capable of being rotated), a second additional part (e.g. 21) is arranged to connect the second sliding surface part to the frame or at least to one second insertion part (e.g. 10) connected to the frame in order to prevent the rotation of the second sliding surface part in relation to the frame, at least one of the first additional part arranged to transfer the rotation torque of at least one of the shaft and the second additional part receiving torque is a super elastic memory metal element (e.g. 21 is made of super elastic memory metal which is titanium).

Furthermore it is noted that applicant has not defined any particular material in specification that is a super elastic memory metal element.

Regarding claims 2-9: All the first and second additional parts are memory metal elements (e.g. members are made of stainless steel or other alloys). All the first and second additional parts are pins (e.g. 24 and 45). All the first and second additional parts are threaded pins (e.g. 38). All of the first and second additional parts are plates (e.g. 40 and 21). All the first and second additional parts are rings (e.g. 40 and 21). The first and second additional parts are machining features of the first sliding surface part and second sliding surface part (end surfaces of the first and second sliding surface part, machining is a method limitation and given little patentable weight in an apparatus claim). The arrangement also comprises at least one spring (e.g. 9) which is arranged to press opposite sliding surfaces of the first sliding surface part and the second sliding surface part against one another. The second insertion part movably fastened in the longitudinal direction of the shaft to the frame, which is connected to the second sliding surface part that is non rotatable in relation to the frame and which is pressed using the spring against the second sliding surface part, the sliding surface thereof of the spring being further pressed against the sliding surface of the first sliding surface part that is rotatable in relation to the frame (figures).

Response to Arguments

3. Applicant's arguments filed 9/5/08 have been fully considered but they are not persuasive.

Applicants argument that Yamasaki does not disclose at least one of the first additional part arranged to transfer the rotation torque of the at least one of the shaft and the second

additional part receiving torque is a super elastic memory metal element is not persuasive because as explained above the metal members are super elastic memory metal element (e.g. titanium or alloys or stainless steel). Furthermore it is noted that applicant has not defined any particular material in specification that is a super elastic memory metal element.

Conclusion

4. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Vishal Patel whose telephone number is 571-272-7060. The examiner can normally be reached on 6:30am to 8:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jennifer H. Gay can be reached on 571-272-7029. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/V. P./ Primary Examiner, Art Unit 3676

> /Vishal Patel/ Primary Examiner, Art Unit 3676